

RADAR APPARATUS

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ABSTRACT OF THE DISCLOSURE

Disclosed is a radar apparatus which receives a
transmitted signal reflected from an object by switching
10 between a plurality of antennas, wherein the plurality of
antennas are divided into a plurality of groups, and at
least one of the plurality of antennas contained in each
of the groups is a common antenna. The radar apparatus
comprises: a selector switch section having a plurality
15 of selector switches each for sequentially and
selectively switching output terminals of the plurality
of antennas and the common antenna contained in a
corresponding one of the groups for connection to an
input terminal; a plurality of channels each having an
20 A/D converter and a downconverting section for
downconverting a received signal that has been input from
each of the antennas to the input terminal via a
corresponding one of the plurality of selector switches;
and a digital signal processing section for receiving an
25 output from the A/D converter of each of the channels,
wherein the digital signal processing section applies
prescribed processing to detect the distance to or the
relative velocity of the object.